

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737937

Luminaire Tested: **14PT-70-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PB1-L840
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

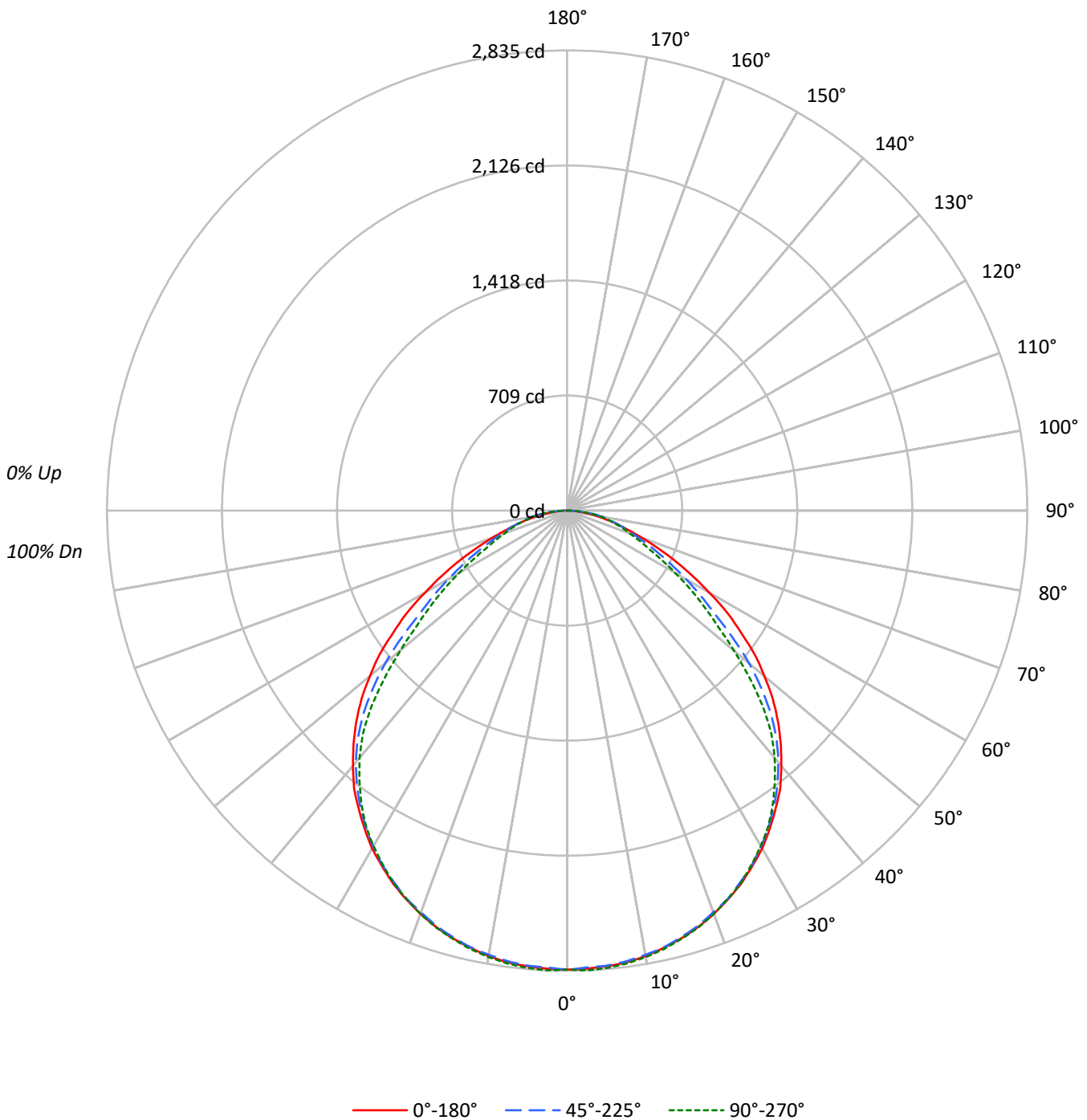
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7052.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8479	8479	8479
5°	8480	8469	8511
10°	8483	8461	8504
15°	8465	8443	8476
20°	8435	8401	8435
25°	8389	8354	8377
30°	8321	8273	8261
35°	8199	8135	8085
40°	8032	7924	7787
45°	7787	7537	7227
50°	7399	6831	6247
55°	6819	5800	5382
60°	6070	5069	4610
65°	5207	4393	3924
70°	4300	3873	3598
75°	3627	3707	3505
80°	3063	3785	3603
85°	2394	3829	3350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	3.8
10°-20°	769.4	10.9
20°-30°	1165.6	16.5
30°-40°	1388.8	19.7
40°-50°	1358.2	19.3
50°-60°	1027.2	14.6
60°-70°	631.1	8.9
70°-80°	336.2	4.8
80°-90°	107.2	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2203.2	31.2
0°-40°	3592.0	50.9
0°-60°	5977.4	84.8
0°-90°	7052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2828	2828	2828	2828	2828	
5°	2818	2821	2814	2825	2828	268
15°	2727	2731	2720	2731	2731	770
25°	2536	2532	2526	2529	2532	1168
35°	2240	2237	2223	2212	2209	1401
45°	1837	1826	1778	1718	1704	1413
55°	1304	1238	1110	1047	1030	1168
65°	734	675	619	570	553	730
75°	313	317	320	310	303	336
85°	70	90	111	104	97	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2828.1	2828.1	2828.1	2828.1	2828.1
2.5°	2824.7	2828.1	2817.7	2831.6	2835.1
5°	2817.7	2821.2	2814.2	2824.7	2828.1
7.5°	2807.3	2807.3	2800.3	2810.7	2814.2
10°	2786.4	2786.4	2779.4	2789.9	2793.3
12.5°	2758.6	2758.6	2755.1	2762.0	2765.5
15°	2727.2	2730.7	2720.3	2730.7	2730.7
17.5°	2689.0	2685.5	2682.0	2689.0	2692.5
20°	2643.8	2643.8	2633.3	2640.3	2643.8
22.5°	2591.6	2591.6	2588.1	2591.6	2588.1
25°	2535.9	2532.4	2525.5	2529.0	2532.4
27.5°	2469.8	2469.8	2462.9	2462.9	2459.4
30°	2403.7	2400.3	2389.8	2382.9	2386.3
32.5°	2323.7	2320.2	2309.8	2302.9	2306.3
35°	2240.2	2236.8	2222.8	2212.4	2208.9
37.5°	2156.8	2146.3	2128.9	2115.0	2101.1
40°	2052.4	2042.0	2024.6	1993.3	1989.8
42.5°	1948.0	1937.6	1909.8	1871.5	1861.1
45°	1836.7	1826.3	1777.6	1718.4	1704.5
47.5°	1718.4	1701.1	1624.5	1551.5	1523.6
50°	1586.3	1554.9	1464.5	1370.6	1339.3
52.5°	1457.5	1401.9	1283.6	1200.1	1168.8
55°	1304.5	1238.4	1109.7	1047.1	1029.7
57.5°	1168.8	1078.4	974.0	911.4	897.5
60°	1012.3	928.8	845.3	789.6	768.8
62.5°	869.7	796.6	727.0	678.3	654.0
65°	734.0	674.9	619.2	570.5	553.1
67.5°	601.8	570.5	525.3	487.0	476.6
70°	490.5	473.1	441.8	424.4	410.5
72.5°	389.6	396.6	375.7	368.7	358.3
75°	313.1	316.6	320.0	309.6	302.6
77.5°	236.5	253.9	267.9	260.9	253.9
80°	177.4	194.8	219.2	208.7	208.7
82.5°	121.8	142.6	163.5	156.5	153.1
85°	69.6	90.4	111.3	104.4	97.4
87.5°	27.8	45.2	48.7	48.7	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)